



Building Advisory

Changes Effecting Most Plumbing Installations

Effective 2/15/05

Denver has adopted the 2003 International Codes. The two major codes that affect the plumbing contractor will be the 2003 International Residential Code and The International Plumbing Codes. This bulletin is circulated to assist our contractors with some of the changes Denver staff will be inspecting. These changes effect most plumbing installations. This is not a complete list and any questions about a specific code

item may be referenced in the codebooks. Please feel free to ask your local inspector for clarification as well.

The International Residential Code (IRC) is a complete code for One and two Family Dwellings and the International Plumbing Code (IPC) is for all other plumbing installations. The codes should be used as individual guides and should not be combined to determine requirements unless an installation has items not specifically intended for residential installations.

IRC Items

1. All upper and lower framing nail plates shall protect pipe penetrations 2" above lower sole plates and 2" below top plates. The use of Boca nails plates is required. (Section P2603.2.1)
2. Water hammer arrestors shall be installed where quick closing valves are utilized. This includes dishwashers and washer machine valves. (Section P2903.5)



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3. Each dwelling shall have a full-open valve with a bleeder orifice or bleeder coupling near the water service entrance. (Section P2903.9.1)

4. All connections between galvanized pipe and copper shall have a dielectric or brass fitting. Teflon tape on a male adapter is a acceptable dielectric. (Section P2904.16.1)

5. The inside diameter of the drainage pipe shall not be used as a socket fitting for a 4x3 closet flange. (Section P3003.4.5)

6. No horizontal dry vent will be allowed. (Section P3104.4) (This results from the changes allowing wet vents and other special venting. Also with the use of extended fixture drains (trap arm) distances, dry vents can be avoided)

7. All trap seals shall be protected with:

- a.** Trap primers
- b.** Deep seal traps
- c.** Proset Trap Guards. (approved in Denver in single family only) Section P3201.2)

8. Air admittance valves approved Per Section P3114. This allows any valve that Complies with ASSE 1051

Installations will be allowed as long as the requirements of the code are met. We recommend purchasing a 2003 IRC and 2003 IPC Commentary as these will help maximize your ability to install a code compliant system with minimum costs.

